

Receiving Report

Date: 17-5-29.

Batch No: 1377 659.

Supplier: Moprac

Dart P/O: 36464.

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☒ No ☐
 Receipt: Cash ☐ Cr ☒
 New Supplier Yes ☐ No ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☐ No ☐
 Shipment Complete: Yes ☐ No ☒ N/A ☐
 QC18 Inspection ☐ N/A ☒
 Work Order ☐ N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12

SP

Production/Admin:

Date _____
 Received/Costing _____
 Initial _____

Location _____





Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36464

Purchase Order Date 5/26/2017

PO Print Date 5/26/2017

Page Number 1 of 3

Order From :

VU-EC001

Ship To : DART AEROSPACE LTD

MONROE AEROSPACE
399 EAST DRIVE
MELBOURNE, FLORIDA 32904
USA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED
MAY 27 2017

Contact Name

Vendor Phone

1-321-727-0047

Ship To Contact

Ship To Phone

Ship Via:

FedEx Economy collect

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

USD

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable CD Promise Date	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	MS21075L3N	NUT PLATE	6/1/2017 Yes 6/1/2017	500.00 Each	\$0.40	\$200.00
298						
2	AN4-12	Bolt	6/1/2017 Yes 6/1/2017	50.00 Each	\$0.46	\$23.00
over ass.						
8817.5-29.						
3	AN5-45	Bolt	6/1/2017 Yes 6/1/2017	24.00 Each	\$2.60	\$62.40
Line Total:						\$200.00
Line Total:						\$23.00

Note:

5/26/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO36464**

Purchase Order Date 5/26/2017

PO Print Date 5/26/2017

Page Number 3 of 3

Order From :

MONROE AEROSPACE
399 EAST DRIVE
MELBOURNE, FLORIDA 32904
USA

VU-EC001

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 1-321-727-0047

Ship To Contact

Ship To Phone

Ship Via: FedEx Economy collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency USD

FOB FCA - (Free Carrier)

7	MS35207-268	✓	Screw	✓	6/1/2017	30.00	\$0.15	\$4.50
					Yes	Each		10.00
					6/1/2017			

270

recu 100X

Line Total: \$4.50

8	71401-45		PROCUREMENT	✓	6/1/2017	1.00	\$0.00	\$0.00
			QUALITY CLAUSES					

Procurement Quality Clauses

A005 RIGHT OF ENTRY
A012 CHEMICAL AND PHYSICAL TEST REPORTS
A016 PERSONNEL QUALIFICATION
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT
A033 STATEMENT OF CONFORMITY/TEST RECORDS
FOR NAS, AN and MS FASTENERS
A040 NOTIFICATION OF QUALITY ESCAPE
A041 QUALITY MANAGEMENT SYSTEM
A043 RETENTION OF QUALITY DOCUMENT

No
6/1/2017

Line Total: \$0.00

PO Total: \$327.90

CL

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 5/26/2017



PACKING SLIP

INVOICE #: 601781
DATE PRINTED: 5/26/2017
TIME: 3:02:45 PM
OF ITEMS: 6
PAGE: 1

TO: DART AEROSPACE LTD.
ACCTS. PAYABLE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
CANADA

SHIP TO: DART AEROSPACE LTD.
ATTN: RECEIVING
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
CANADA

ATTN: CHANTAL LAVOIE
Ph: 613.632.3336 Fax: 613.632.5246

INVOICE DATE: 5/26/2017
ORDER DATE: 5/26/2017
SHIP DATE: 5/26/2017
SALES ORDER #: 533902
CUSTOMER #: 16754

TERMS: NET 30
CUST PO: PO36464
FOB: MELBOURNE, FL

WEIGHT: 5.55
OF BOXES:
SHIPMENT #: 0

SHIP VIA: 113- FX INT ECONOMY

AWB: 731281121329

YOUR MONROE ACCOUNT REP: Luis Sepulveda

ITEM	PART NUMBER/DESCRIPTION	SHIPPED	B/O	CD	UNIT PRICE	UOM
1	MS21075L3N NUTPLATE ECCN#: 9A991.d SCHB#: 7318.16.0000 MFR: AFC LOT: 22126	500.00	0.00	NE		EA
2	AN4-12 BOLT DRILLED ECCN#: 9A991 SCHB#: 7318.15.2000 MFR: AFC LOT: 22855	50.00	0.00	NE		EA
4	AN970-6 WASHER ECCN#: 9A991 SCHB#: 7318.22.0000 MFR: SUPERIOR LOT: 540305-3	20.00	80.00	NE		EA
5	MS21044N3 LOCKNUT ECCN#: 9A991 SCHB#: 7318.16.0030 MFR: ABBOTT LOT: 723799-00	100.00	0.00	NE		EA
6	MS21059L3 NUTPLATE ECCN#: 9A991 SCHB#: 7318.16.0030 MFR: AFC LOT: 23839	30.00	0.00	NE		EA
7	MS35207-268 PAN HEAD SCREW ECCN#: 9A991 SCHB#: 7318.15.4000 MFR: GENIE LOT: 13-313	100.00	0.00	NE		EA

SPECIAL INSTRUCTIONS:

5017-5-29.

We Thank You For Your Continued Business!

MONROE TAX ID: 47-3784072



MONROE TAX ID: 47-3784072

Invoice

INVOICE #: 601781
DATE PRINTED: 5/26/2017
TIME: 3:02:52 PM
OF ITEMS: 6
PAGE: 1

TO: DART AEROSPACE LTD.
ACCTS. PAYABLE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
CANADA

ATTN: CHANTAL LAVOIE
Ph: 613.632.3336 Fax: 613.632.5246

SHIP TO: DART AEROSPACE LTD.
ATTN: RECEIVING
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
CANADA

INVOICE DATE: 5/26/2017 TERMS: NET 30 WEIGHT: 5.55 SHIP VIA: 113- FX INT ECONOMY
ORDER DATE: 5/26/2017 CUST PO: PO36464 # OF BOXES:
SHIP DATE: 5/26/2017 FOB: MELBOURNE, FL SHIPMENT #: 0
SALES ORDER #: 533902 YOUR MONROE ACCOUNT REP: Luis Sepulveda
CUSTOMER #: 16754 AWB: 731281121329

ITEM	PART NUMBER/DESCRIPTION	SHIPPED	B/O	CD	UNIT PRICE	UOM	TOTAL AMT
1	MS21075L3N NUTPLATE ECCN#: 9A991.d SCHB#: 7318.16.0000 MFR: AFC LOT:22126	500.00	0.00	NE	0.4000	EA	\$200.000
2	AN4-12 BOLT DRILLED ECCN#: 9A991 SCHB#: 7318.15.2000 MFR: AFC LOT:22855	50.00	0.00	NE	0.4600	EA	\$23.000
4	AN970-6 WASHER ECCN#: 9A991 SCHB#: 7318.22.0000 MFR: SUPERIOR LOT:540305-3	20.00	80.00	NE	0.1300	EA	\$2.600
5	MS21044N3 LOCKNUT ECCN#: 9A991 SCHB#: 7318.16.0030 MFR: ABBOTT LOT:723799-00	100.00	0.00	NE	0.1000	EA	\$10.000
6	MS21059L3 NUTPLATE ECCN#: 9A991 SCHB#: 7318.16.0030 MFR: AFC LOT:23839	30.00	0.00	NE	0.5000	EA	\$15.000
7	MS35207-268 PAN HEAD SCREW ECCN#: 9A991 SCHB#: 7318.15.4000 MFR: GENIE LOT:13-313	100.00	0.00	NE	0.1000	EA	\$10.000

SPECIAL INSTRUCTIONS:

We Thank You For Your Continued Business!

ECAS, LLC dba MONROE AEROSPACE

399 EAST DRIVE MELBOURNE, FL 32904 PH: 800.330.3975 FAX: 321.727.7331

399 EAST DRIVE MELBOURNE, FL 32904 PH: 800.330.3975 FAX: 321.727.7331



CERTIFICATE OF CONFORMITY

NO: 601781

BILL TO:

DART AEROSPACE LTD.
ACCTS. PAYABLE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7

SHIP TO:

DART AEROSPACE LTD.
ATTN: RECEIVING
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7

CUSTOMER PO	SHIP DATE	AIRWAY BILL/TRACKING #
PO36464	5/26/2017	731281121329

PART NO:	Description	CND	QTY	S/L	
MS21075L3N	NUTPLATE Customer Reference:	NE	500	80	LOT: 22126 MFR: AFC
AN4-12	BOLT DRILLED Customer Reference:	NE	50	22	LOT: 22855 MFR: AFC
AN970-6	WASHER Customer Reference:	NE	20	29	LOT: 540305-3 MFR: SUPERIOR
MS21044N3	LOCKNUT Customer Reference:	NE	100	91	LOT: 723799-00 MFR: ABBOTT
MS21059L3	NUTPLATE Customer Reference:	NE	30	123	LOT: 23839 MFR: AFC
MS35207-268	PAN HEAD SCREW Customer Reference:	NE	100	29	LOT: 13-313 MFR: GENIE

CONDITIONS: NE - New OH-OVERHAULED RP-REPAIRED SV-SERVICEABLE

We hereby certify that the items that are a part of this Purchase Order have been visually & dimensionally found to conform to all applicable standards, drawings & specifications. The liability of ECAS, LLC is limited to replacement of any item which is rejected because of a defect in material or workmanship if notified within 30 days & liability shall not exceed the invoice value. Such replacement shall constitute satisfaction of all liability.

SIGNED:

For and on behalf of ECAS, LLC dba MONROE AEROSPACE

ECAS, LLC dba MONROE AEROSPACE
399 EAST DRIVE MELBOURNE, FL 32904 PH: 800.330.3975



AIRFASCO
INDUSTRIES
MANUFACTURER OF AEROSPACE PRODUCTS

2655 HARRISON AVE. SW
CANTON, OH 44706
PHONE: (330)430-6190
FAX: (330)430-6199

CERTIFICATE OF CONFORMANCE

EAST COAST AVIATION

I Hereby Certify that on 03/22/12 Airfasco Industries provided the supplies called for by Contract/ PO Number **59403** in accordance with all applicable requirements for shipment. I further state that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States. DFAR 252.225-7014 ALT 1 compliant in fastener base raw material melt source only, with heat number and country, does not include the post cadmium metal plating.


WM. DENT

Quality Assurance Representative

PART NUMBER	LOT NUMBER	QUANTITY	PART NUMBER	LOT NUMBER	QUANTITY
MS21075L3N	22126	43500			



AIRFASCO
INDUSTRIES
MANUFACTURER OF AEROSPACE PRODUCTS

2655 HARRISON AVE. SW
CANTON, OH 44706
PHONE: (330)430-6190
FAX: (330)430-6199

CERTIFICATE OF CONFORMANCE

EAST COAST AVIATION

I Hereby Certify that on 4/5/13 Airfasco Industries provided the supplies called for by Contract/ PO Number **65700** in accordance with all applicable requirements for shipment. I further state that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States. DFAR 252.225-7014 ALT 1 compliant in fastener base raw material melt source only, with heat number and country, does not include the post cadmium metal plating.


WM. DENT

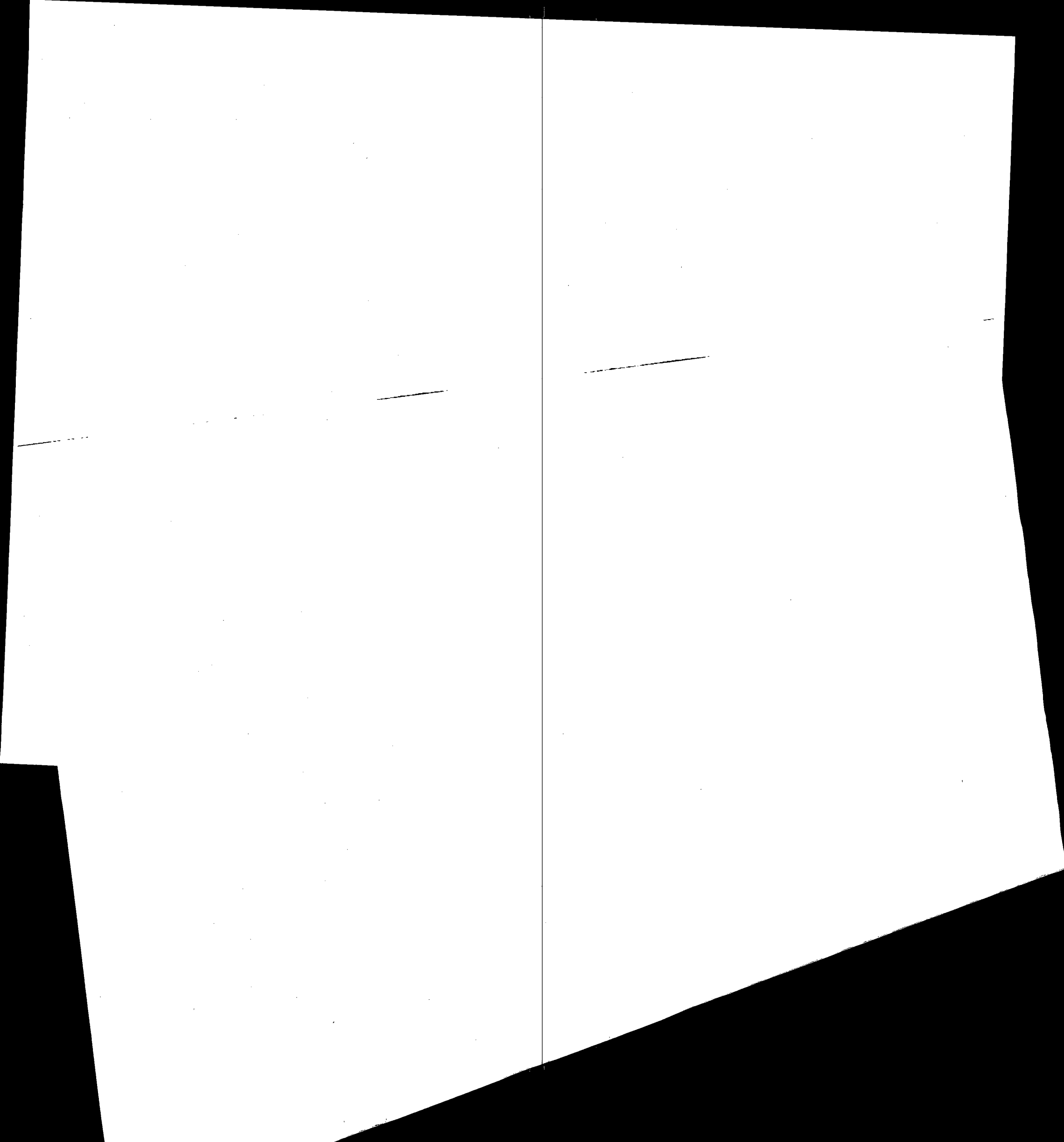
Quality Assurance Representative

PART NUMBER	LOT NUMBER	QUANTITY	PART NUMBER	LOT NUMBER	QUANTITY
AN4-12	22855	2025			

Airfasco Industries
Quality Assurance Representative

AIRFASCO INDUSTRIES QUALITY CONTROL

We hereby certify that the above data is correct and the inspected in accordance with Airfasco Industries quality



SUPERIOR WASHER AND GASKET CORP.

170 Adams Avenue
Hauppauge, New York 11788
Phone: (631) 273-8282
Fax: (631) 273-8088
E-Mail: swg@superiorwasher.com
Web: superiorwasher.com
(In the East)

SUPERIOR WASHER AND GASKET CORP.

662 Bryant Blvd.
Rock Hill, South Carolina 29732
Phone: (803) 366-3250
Fax: (803) 366-3511
E-Mail: swg@superiorwasher.com
Web: superiorwasher.com
(In the South)

EAST COAST AVIATION SUPPLIES
399 EAST DRIVE

MELBOURNE, FL 32904

Customer Purchase Order Number 71158		Superior Order Number C139270-6	Superior Lot Number 540305 - 3	Tracer No. NY31586 -3
Date 05-16-14	Production Card 0	Part Number AN970-6		Quantity 3,000
Drawing NASM970 REV 1		Dual Cert No.		

We hereby certify that all materials and processes conform
to the required drawing specifications and that the parts
have been manufactured in the U.S.A.
All parts are manufactured in a Mercury-free environment

Material

1008 LOW CARBON STEEL per AIR4127

CAD YELLOW AMS-QQ-P-416 TY2 CL2 .0003/.0006

Chemical Analysis

C	CARBON	.0700
Mn	MANGANESE	.3500
P	PHOSPHORUS	.0060
S	SULPHUR	
Si	SILICON	.0100
Cr	CHROMIUM	
Ni	NICKEL	
Mo	MOLYBDENUM	
Cu	COPPER	
Fe	IRON	
Ti	TITANIUM	
Co	COBALT	
N	NITROGEN	
Cb	COLUMBIUM	
Al	ALUMINUM	.0490
Sn	TIN	
Mg	MAGNESIUM	
Zn	ZINC	
Pb	LEAD	
Va	VANADIUM	

Mechanical Properties

Yield	
Tensile	
Elongation	
Hardness	B 46.0
Heat	4128777
Magnetic	
Permeability	
Bend Test	

SUPERIOR WASHER & GASKET CORP.

By Richard Anderson Jr.
Richard Anderson, Jr.
Quality Control Manager



QUALITY & INTEGRITY

ABBOTT-INTERFAST CORP.

190 Abbott Drive Wheeling, Illinois 60090 ■ Tel 847.459.6200 ■ Fax 847.459.4076
Toll Free 800.877.0789 ■ Email sales@abbott-interfast.com ■ www.abbott-interfast.com

CERTIFICATE OF CONFORMANCEDATE 3/10/16CUSTOMER NAME EAST COAST AVIATION SUPPLIES INCP.O. # FL76103 P.O. DATE 3/1/16AIC PART # SN-102NM-----44 MS # MS21044N3/NASM 21044 REV1PART NAME 10-32 NM STEEL LOCKNUT CAD YELLOW SHIPPER # 75334THREAD SPEC MIL-S-8879C / .1900-32 UNJF-3BPROCUREMENT SPEC NUMBER # MIL-N-25027G & NASM25027 REV NEWDATE SHIPPED 3/8/16 QTY SHIPPED 251,000AIC PRODUCTION LOT # 20150512-723799-00-PPOSTELOC PRODUCTION P.O. # 724321 MAT'L HEAT # 3VG57MAT'L TYPE 1010

NON-METALLIC INSERT CONFORMS TO ASTM D 4066, GROUP 1, CLASS 1 OR 2

SURFACE FINISH / FINISH SPEC N/A / N/ALAB REPORT SEE ATTACHED ELEMENT W/O # ABB014-02-08-45791-1 REV 1
(MAGNETIC PARTICLE INSPECTION; MATERIAL COMPOSITION; TENSILE)FLUORESCENT PENETRANT N/A MAGNETIC PERMEABILITY N/A

LOCKING TORQUE SPECIFICATION = NASM25027, REV NEW

SAMPLE SIZE = 27**REQUIREMENTS:**1st, 7th, 15th, INSTALLATION MAXIMUM TORQUE (IN LBS.) 18 TESTED RESULTS (RANGE) 2.5-5.01st, 7th, 15th, BREAKAWAY MINIMUM TORQUE (IN LBS.) 2.0 TESTED RESULTS (RANGE) 3.0-5.5

We certify that the finished parts and/or materials used conform in all respects to the applicable drawings, specifications, and/or standards. Complete reports of all applicable testing are retained on file for on-site examination. Quality level, sampling plans, and testing conforms to the required specifications. The products are Mercury Free. Reproduction of this Certificate without permission is prohibited.

Very truly yours,

Vera Iakiviak
Quality Manager

NASMCOC REV 032615



element™

Element Materials Technology
2 Pheasant Run
Newtown, PA
18940-1819 USA

P 215 579 7500
F 215 579 7591
T 888 786 7555
info.newtown@element.com
element.com

Contact: Mike Tirilli
Abbott - Interfast Corporation
190 Abbott Dr
WHEELING, IL 60090

TEST CERTIFICATE — EAR-CONTROLLED DATA

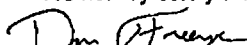
Date: 2/10/2016
P.O. No.: 344937
W/O No.: ABB014-02-08-45791-1 Rev. 1

Corrected Certification 2/11/16

AIC PART NUMBER	SN-102NM---40
MS NUMBER	MS21044N3
MATERIAL HEAT NUMBER	3VG57
MATERIAL	1010
STELC PRODUCTION PO*	724321*
DESCRIPTION	10-32NM Steel Nylon Insert Locknut
SPECIFICATION	NASM 25027 Sept. 99 Rev. New / NASM 21044 Rev. 1

Magnetic Particle Inspection Results	
Type:	Wet Fluorescent
Equipment No.:	Magnaflux Model AD-945 MMA#401/464/482
MT Technique No.:	ABB014-SN-102NM-40
Testing Specification:	ASTM-E1444 / E1444M-12
Acceptance Criteria:	NASM 25027 Sept. 99 Rev. New
Inspected per Procedure:	42.00 Rev. 15
Alloy:	Steel
Surface Condition:	Machined
Method:	Continuous Method
Shot ID: A-A, Circular (Head Shot) Amperage:	170
Shot ID: B, Longitudinal (Coil Shot) Amperage:	1,390
Demagnetized:	< 2 Gauss
Area of Inspection:	100% of all accessible surfaces
Quantity Inspected:	27
Quantity Accepted:	27
Quantity Rejected:	0
Quantity Referred to Micro:	0
Indications Observed:	None
Date of Inspection:	2/9/16

We hereby certify the above listed parts are processed in accordance with applicable specifications. Test reports on file.


DONALD S. FREEZE
27
MT-TESTED

Don Freeze
NAS 410/SNT-TC-1A Level 2, MT due 1-2017

Respectfully submitted



Peggy Wolfe
Quality Administrator

Information and statements in this report are derived from material, information and/or specifications furnished by the client and exclude any expressed or implied warranties as to the fitness of the material tested or analyzed for any particular purpose or use. The testing reported on this certification has been performed in accordance with QAM 4th Edition Rev. 5 Dated 6/10/2015 and related procedures. All testing has been performed in accordance with the latest revision of the applicable published test method in effect at the time of testing, unless otherwise stated. This report shall not be reproduced except in full, without written approval of this laboratory. The recording of false, fictitious, or fraudulent statements or entries on this document may be punished as a felony under Federal Statutes including Federal Law Title 18, Chapter 47. Sample remnants are held for a minimum of 30 days following issuance of test results, at which point they will be discarded unless notified in writing by the client.

ALL TESTING PERFORMED IN A MERCURY-FREE ENVIRONMENT



element™

Element Materials Technology
2 Pheasant Run
Newtown, PA
18940-1819 USA

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F 215 579 7591
T 888 786 7555
Info.newtown@element.com
element.com

Contact: Mike Tirilli
Abbott - Interfast Corporation
190 Abbott Dr
WHEELING, IL 60090

TEST CERTIFICATE — EAR-CONTROLLED DATA

Date: 2/10/2016
P.O. No.: 344937
W/O No.: ABB014-02-08-45791-1 Rev. 1

1010

Element		Result %	Min %	Max %
C	=	0.12	0.08	0.13
Mn	=	0.50	0.30	0.60
P	=	0.012	0.000	0.030
S	=	0.011	0.000	0.050
Si	=	0.06	0.00	NS
Cr	=	0.01	0.00	NS
Ni	=	0.01	0.00	NS
Mo	<	0.01	0.00	NS
Cu	<	0.01	0.00	NS
Fe	=	Balance	Balance	Balance

Chemical testing was performed on an Optical Emission
Spectrometer in accordance with ASTM-E415

Respectfully submitted

Peggy Wolfe

Peggy Wolfe
Quality Administrator

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ALL TESTING PERFORMED IN A MERCURY-FREE ENVIRONMENT



element

Element Materials Technology
2 Pheasant Run
Newtown, PA
18940-1819 USA

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T 888 786 7555
info.newtown@element.com
element.com

Contact: Mike Tirilli
Abbott - Interfast Corporation
190 Abbott Dr
WHEELING, IL 60090

TEST CERTIFICATE — EAR-CONTROLLED DATA

Date: 2/10/2016
P.O. No.: 344937
W/O No.: ABB014-02-08-45791-1 Rev. 1

Nut Axial Tensile

Test Method NASM 1312-8

Specimen	Ultimate Load (lbf)	Fracture Location
Min. Requirements	2,460	
1	2,471	Discontinued after reaching min requirement
2	2,471	Discontinued after reaching min requirement
3	2,470	Discontinued after reaching min requirement
4	2,471	Discontinued after reaching min requirement
5	2,470	Discontinued after reaching min requirement
6	2,471	Discontinued after reaching min requirement
7	2,471	Discontinued after reaching min requirement
8	2,472	Discontinued after reaching min requirement
9	2,472	Discontinued after reaching min requirement
10	2,470	Discontinued after reaching min requirement
11	2,471	Discontinued after reaching min requirement
12	2,472	Discontinued after reaching min requirement
13	2,472	Discontinued after reaching min requirement
14	2,471	Discontinued after reaching min requirement
15	2,470	Discontinued after reaching min requirement

Forty-two tests listed on this certification have been performed in accordance with NASM 25027 Sept. 99 Rev. New / NASM 21044 Rev. 1 and all tested samples do conform to the specification requirements.

This document contains technical data whose export and re-export/retransfer is subject to control by the U.S. Department of Commerce under the Export Administration Act and the Export Administration Regulations. The Department of Commerce's prior written approval may be required for the export or re-export/retransfer of such technical data to any foreign person, foreign entity or foreign organization whether in the United States or abroad.

Respectfully submitted

Peggy Wolfe

Peggy Wolfe
Quality Administrator

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ALL TESTING PERFORMED IN A MERCURY-FREE ENVIRONMENT



2655 Harrison Ave S.W.
Canton, Ohio 44706
(330) 430-6190
www.Airfasco.com



PHYSICAL AND CHEMICAL CERTIFICATION

AFC LOT NO.: 23839 DATE MFG.: 3/18/2014 SAMPLE SIZE: 10 QTY MFG.: 49,800

PART NO.: AFC59F1032L PROCUREMENT SPECIFICATION: NASM25027 Dec 2012

CONFORMS TO: MS21059L3 per NASM1059 rev. 2, NAS686A3 rev. 13

HEAT TREAT PROCUREMENT SPECIFICATION: AMS 2759
VENDOR: Brite Metal CERT NO.: 165357 HARDNESS: HRC 33.00 35.00

PLATING PROCUREMENT SPECIFICATION: Cadmium Plate per AMS-QQ-P-416C, type 2, class 2
VENDOR: Beringer Plating CERT NO.: 78801 PROCESS: .0003" Bake 24 hrs 375 F

LUBE PROCUREMENT SPECIFICATION: SAE AS5272E type 1, bake 1 hour 375 F
VENDOR: Everlube CERT NO.: PC-14506 RESULTS: .0003" 96 hr salt spray

NUT MATERIAL: UNS G10500, per ASTM A684, C1050, .035" x 1.50"											
HEAT:	NLPR0072D			MILL:	Consolidated Metal			COUNTRY OF MELT: USA			
ELEMENT-ID	-C-	-MN-	-P-	-S-	-SI-	-NI-	-CR-	-MO-	-CU-	-AI-	Other
LADLE	0.520	0.640	0.008	0.002	0.210	0.060	0.050	0.020	0.150	0.029	-
RETAINER MATERIAL: UNS G10500, per ASTM A682, C1050, .025" x 4.060"											
HEAT:	280353			MILL:	Steel Tech			COUNTRY OF MELT: USA			
ELEMENT-ID	-C-	-MN-	-P-	-S-	-SI-	-NI-	-CR-	-MO-	-CU-	-AI-	Other
LADLE	0.520	0.730	0.015	0.004	0.249	0.055	0.163	0.017	0.118	0.035	-

PHYSICAL PROPERTIES	AXIAL TENSILE	TORQUE IN MIN.	TORQUE OUT MAX.	TORQUE REMOVAL	TORQUE OUT RETAINER	PUSH OUT	HARDNESS HRC 33-35
REQUIRED	2,460 lbs.	2.0 in-lbs.	18.0 in-lbs.	18.0 in-lbs.	60.0 in-lbs.	150.0 lbs.	33-35
ACTUAL LOW	3,257 lbs.	8.6 in-lbs.	8.0 in-lbs.	7.6 in-lbs.	118.0 in-lbs.	262.0 lbs.	34.00
ACTUAL AVG.	3,345 lbs.	10.2 in-lbs.	9.5 in-lbs.	8.9 in-lbs.	129.2 in-lbs.	284.0 lbs.	34.00
ACTUAL HIGH	3,412 lbs.	12.2 in-lbs.	11.4 in-lbs.	10.8 in-lbs.	142.0 in-lbs.	306.0 lbs.	35.00

72 hour stress embrittlement test 75% - 80% tensile calculated 60 in-lbs., 1,968 lbs in accordance with MIL-STD-1312/14
Non-Destructive Magnetic Particle per ASTM-E-1444-05 sample lot size: 20
UNS G10500 is not a specialty grade steel per DFAR 252.225-7014.
DFAR complaint 252.225-7014 Domestic Specialty Metals Alternate 1.
Vision Inspected Lot - INSPEC100.
Metallurgical Examination satisfactory.
Made in the USA.

CONTROLLED

We hereby certify that the above data is correct and that the fasteners have been manufactured and inspected in accordance with Airfasco Industries quality requirements.

Airfasco Industries

Quality Assurance Representative:

Tim West
Tim West



2655 Harrison Ave S.W.
Canton, Ohio 44706
(330) 430-6190
www.Airfasco.com



PHYSICAL TORQUE TEST CERTIFICATION

AFC LOT NO.: 23839 DATE MFG.: 3/18/2014 SAMPLE SIZE: 10 QTY MFG.: 49,800

PART NO.: AFC59F1032L PROCUREMENT SPECIFICATION: NASM25027 Dec 2012

CONFORMS TO: MS21059L3 per NASM1059 rev. 2, NAS686A3 rev. 13

TORQUE TEST: Min. 2.0 in-lbs. max. 18.0 in-lbs. Installations are torque in values. Torques out values is the breakaway and removal unseated in the opposite assembly direction. First, seventh and fifteenth cycles with NAS9703-20 test bolts.

TORQUE SAMPLE	TORQUE 1st in	TORQUE 1st out	TORQUE 1st rem.	TORQUE 7th in	TORQUE 7th out	TORQUE 7th rem.	TORQUE 15th in	TORQUE 15th out	TORQUE 15th rem.	ACCEPT REJECT
1	10.2	9.6	9.0	9.8	8.6	8.2	9.2	8.8	8.0	passed
2	9.2	8.4	8.0	8.6	8.0	7.6	8.9	8.4	8.0	passed
3	10.4	10.0	10.2	10.0	9.4	9.0	8.8	9.2	9.6	passed
4	12.2	11.4	10.6	11.2	10.2	10.0	10.2	9.4	8.6	passed
5	12.0	11.0	10.8	11.3	10.1	9.7	9.7	9.6	9.2	passed
6	12.2	11.4	10.6	11.2	10.2	10.0	10.2	8.4	8.6	passed
7	10.3	9.7	8.8	10.0	9.4	9.0	9.3	8.9	8.1	passed
8	9.2	8.4	8.0	8.6	8.0	7.6	8.9	8.4	8.0	passed
9	11.7	11.3	9.8	10.3	9.5	8.9	9.6	8.8	7.8	passed
10	10.5	10.0	9.2	10.4	9.6	8.8	9.5	8.6	8.2	passed
11	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
12	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
13	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
14	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
15	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
low	9.2	8.4	8.0	8.6	8.0	7.6	8.9	8.4	7.8	passed
avg.	10.8	10.1	9.5	10.1	9.3	8.9	9.5	9.0	8.4	passed
high	12.2	11.4	10.8	11.3	10.2	10.0	10.2	9.6	9.6	passed

CONTROLLED

We hereby certify that the above data is correct and conforms to the torque test requirements and that the fasteners have been manufactured and inspected in accordance with Airfasco Industries quality requirements.

Airfasco Industries

Quality Assurance Representative: 



2655 Hamison Ave S.W.
Canton, Ohio 44706
(330) 430-6190
www.Airfasco.com



PHYSICAL TORQUE OUT & EMBRITTLEMENT TEST CERTIFICATION

AFC LOT NO.: 23839

DATE MFG.: 3/18/2014

SAMPLE SIZE: 10

QTY MFG.: 49,800

PART NO.: AFC59F1032L

PROCUREMENT SPECIFICATION: NASM25027 Dec 2012

CONFORMS TO: MS21058L3 per NASM1059 rev. 2, NAS886A3 rev. 13

TORQUE OUT & EMBRITTLEMENT TEST: Minimum of 60 in-lbs. proof load applied in accordance with NASM25027 and NASM21059 with NAS9703 test bolts. An inspection for deformation of the nut and retainer was performed. The required torque load of 75-80% of tensile 1,968 lbs was maintained for hydrogen embrittlement inspection for cracks or nut deformation. After 72 hours minimum an examination under 10X magnification for cracks or deformation was performed and does meet all specification requirements. Torque then increased to failure and method of failure noted.

NUT SAMPLE	TORQUE OUT 72 in-lbs. min.	TORQUE OUT TO FAILURE	DATE and TIME TORQUED UP	DATE and TIME INSPECTED	ACCEPT REJECT	METHOD OF FAILURE
1	60.0	124.0	12/2/13 9:00 AM	12/5/13 9:00 AM	41613.4	strip deformations
2	60.0	132.0	3/11/14 9:00 AM	3/14/14 9:00 AM	passed	strip deformations
3	60.0	118.0	3/11/14 9:00 AM	3/14/14 9:00 AM	passed	strip deformations
4	60.0	124.0	3/11/14 9:00 AM	3/14/14 9:00 AM	passed	strip deformations
5	60.0	136.0	3/11/14 9:00 AM	3/14/14 9:00 AM	passed	strip deformations
6	60.0	138.0	3/11/14 9:00 AM	3/14/14 9:00 AM	passed	strip deformations
7	60.0	142.0	3/11/14 9:00 AM	3/14/14 9:00 AM	passed	strip deformations
8	60.0	119.0	3/11/14 9:00 AM	3/14/14 9:00 AM	passed	strip deformations
9	60.0	129.0	3/11/14 9:00 AM	3/14/14 9:00 AM	passed	strip deformations
10	60.0	126.0	3/11/14 9:00 AM	3/14/14 9:00 AM	passed	strip deformations
11	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
12	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
13	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
14	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
15	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
low		118.0				
avg.		129.2				
high		142.0				

CONTROLLED

We hereby certify that the above data is correct and conforms to the test requirements and that the fasteners have been manufactured and inspected in accordance with Airfasco Industries quality requirements.



2655 Harrison Ave S.W.
Canton, Ohio 44706
(330) 430-6190
www.Airfasco.com



PHYSICAL PUSH OUT ASSEMBLY TEST CERTIFICATION

AFC LOT NO.: 23839

DATE MFG.: 3/18/2014

SAMPLE SIZE: 10

QTY MFG.: 49,800

PART NO.: AFC69F1032L

PROCUREMENT SPECIFICATION: NASM26027 Dec 2012

CONFORMS TO: MS21059L3 per NASM1059 rev. 2, NAS686A3 rev. 13

PUSH OUT ASSEMBLY TEST: 100 lbs. min. (proof load) inspection for push out nut from the retainer assembly applied with NAS9703-20 test bolts. After minimum proof load an examination under 10X magnification for deformation was performed and does meet specification requirements. Force then increased to 150% of minimum requirement then increased force applied to failure and method of failure noted.

NUT SAMPLE	PUSH OUT 100 lbs. min.	PUSH OUT 150 lbs. (P/L)	PUSH OUT TO FAILURE	ACCEPT REJECT	METHOD OF FAILURE
1	100.0	150.0	295.0	passed	retainer deformation
2	100.0	150.0	274.0	passed	retainer deformation
3	100.0	150.0	306.0	passed	retainer deformation
4	100.0	150.0	278.0	passed	retainer deformation
5	100.0	150.0	282.0	passed	retainer deformation
6	100.0	150.0	288.0	passed	retainer deformation
7	100.0	150.0	292.0	passed	retainer deformation
8	100.0	150.0	285.0	passed	retainer deformation
9	100.0	150.0	302.0	passed	retainer deformation
10	100.0	150.0	278.0	passed	retainer deformation
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
low			282.0		
avg			284.0		
high			308.0		

CONTROLLED

We hereby certify that the above data is correct and conforms to the torque test requirements and that the fasteners have been manufactured and inspected in accordance with Airfasco Industries quality requirements.

Airfasco Industries

Quality Assurance Representative: 



2655 Harrison Ave S.W.
Canton, Ohio 44706
(330) 430-6190
www.Airfasco.com

PHYSICAL AXIAL TENSILE TEST CERTIFICATION

AFC LOT NO.: 23839 DATE MFG.: 3/18/2014 SAMPLE SIZE: 10 QTY MFG.: 49,800

PART NO.: AFC59F1032L PROCUREMENT SPECIFICATION: NASM25027 Dec 2012

CONFORMS TO: MS21059L3 per NASM1059 rev. 2, NAS686A3 rev. 13

AXIAL TENSILE TEST: Method NASM1312-8 (Formerly MIL-STD-1312/8) 2,460 min. lbs. proof load inspection for nut deformation. Maximum load increased to failure before deformation, stripped threads or NAS9703-20 test bolt failure.

TENSILE SAMPLE	PROOF LOAD 2,460 LBS.	TENSILE TO FAILURE LBS.	METHOD OF FAILURE	ACCEPT REJECT
1	2,460	3,356	strip deformation	passed
2	2,460	3,362	strip deformation	passed
3	2,460	3,392	strip deformation	passed
4	2,460	3,356	strip deformation	passed
5	2,460	3,257	strip deformation	passed
6	2,460	3,345	strip deformation	passed
7	2,460	3,286	strip deformation	passed
8	2,460	3,356	strip deformation	passed
9	2,460	3,412	strip deformation	passed
10	2,460	3,327	strip deformation	passed
11	#REF!	#REF!	#REF!	#REF!
12	#REF!	#REF!	#REF!	#REF!
13	#REF!	#REF!	#REF!	#REF!
14	#REF!	#REF!	#REF!	#REF!
15	#REF!	#REF!	#REF!	#REF!
low		3,257		
avg.		3,345		
high		3,412		

CONTROLLED

We hereby certify that the above data is correct and conforms to the axial tensile test requirements and that the fasteners have been manufactured and inspected in accordance with Airfasco Industries quality requirements.

Airfasco Industries
Quality Assurance Representative 



2655 Harrison Ave S.W.
Canton, Ohio 44706
(330) 430-6190
www.Airfasco.com



METALLURGICAL EXAMINATION

AFC LOT NO.: 23839 DATE MFG.: 3/18/2014 SAMPLE SIZE: 10 QTY MFG.: 49,800

PART NO.: AFC59F1032L

PROCUREMENT SPECIFICATION: NASM25027 Dec 2012

CONFORMS TO: MS21059L3 per NASM1059 rev. 2, NAS686A3 rev. 13

MICRO EXAMINATION: The microstructure shows tempered martensitic grains. No decarburization or carburization was noted visually under 100X magnification. Mount shows flow lines are continuous and follow the general contour of the part as formed by the cold forming process. No indications of cracks, laps, seams or other defects were noted. Rockwell hardness HRC, Superficial 15-N, and Tukon micro-hardness Knoop / Vickers scale was performed. Material as mounted and inspected is satisfactory as inspected and conforms to specification requirements.

NUT					
HARDNESS SAMPLE	HRC	15-N	KNOOP	VHN	ACCEPT REJECT
1	34	77	341	336	ACC
2	34	77	341	336	ACC
3	35	78	351	345	ACC
4	34	77	342	336	ACC
5	35	78	351	345	ACC
6	35	78	351	345	ACC
7	34	77	342	335	ACC
8	34	77	341	335	ACC
9	34	77	341	336	ACC
10	35	78	351	345	ACC
11	#REF!	#REF!	#REF!	#REF!	#REF!
12	#REF!	#REF!	#REF!	#REF!	#REF!
13	#REF!	#REF!	#REF!	#REF!	#REF!
14	#REF!	#REF!	#REF!	#REF!	#REF!
15	#REF!	#REF!	#REF!	#REF!	#REF!
low	34	77	341	335	ACC
avg.	34	77	345	339	ACC
high	35	78	351	345	ACC

CONTROLLED

We hereby

Airfasco Industries
Quality Assurance Representative: 

EXAMINATION OF PRODUCT

AFC LOT NO.: 23839

DATE MFG.: 3/18/2014

SAMPLE SIZE: 10

QTY MFG.: 49,800

PART NO.: AFC58F1032L

CONFORMS TO: MS21059L3 per NASM1059 rev. 2, NAS688A3 rev. 13

PROCUREMENT SPECIFICATION: NASM25027 Dec 2012

#	CHARACTERISTICS	MAX.	MIN.	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 6	SAMPLE 7	SAMPLE 8	SAMPLE 9	SAMPLE 10
1	"A" LENGTH	.948	-	.917"	.918"	.919"	.917"	.919"	.918"	.918"	.919"	.919"	.918"
2	"B" WIDTH	.416	.290	.402"	.400"	.403"	.402"	.402"	.400"	.401"	.403"	.402"	.400"
3	"D" DIAMTER	-	.194	.220"	.219"	.219"	.220"	.220"	.220"	.220"	.219"	.220"	.220"
4	"P" DIAMETER	.270	.250	.263"	.263"	.263"	.263"	.263"	.263"	.263"	.263"	.263"	.263"
5	"H" HEIGHT	.250	-	.239"	.243"	.238"	.241"	.241"	.242"	.241"	.240"	.241"	.238"
6	"J" LOCATION	.690	.688	.688"	.688"	.688"	.688"	.688"	.688"	.688"	.688"	.688"	.688"
7	"K" DIAMETER	.103	.098	.099"	.099"	.099"	.099"	.099"	.099"	.099"	.099"	.099"	.099"
8	"V" THICKNESS	.032	-	.026"	.026"	.026"	.026"	.026"	.026"	.026"	.026"	.026"	.026"
9	"F" LOCATION	-	.100	.106"	.106"	.106"	.106"	.106"	.106"	.106"	.106"	.106"	.106"
10	PRESENCE OF LOGO	-	-	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC
11	THREADS /1/ .190-32 UNJC-3B	-	-	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC	ACC
12	BEARING SURFACE ROUGHNESS	< 125	-	60	60	60	60	60	60	60	60	60	60

Examination of product in accordance with NASM25027 1, Dec 2012.

Airfasco Industries

Quality Assurance Representative:

Tim West
Tim West

CONTROLLED

Approved by Bruce Hogie
Revision Date: 2/13/2013

CERTIFICATE OF COMPLIANCE

SUPPLIER: **BERINGER PLATING, INC.**
1211 DeValera Ave.
Akron, OH 44310
330-633-8409 Fx 330-633-8447
sales@beringerplating.com

CUSTOMER: Airfasco Industries, Inc.

Beringer Invoice: 78801

P.O. Number: 60742

Part Number: MS21059L3

Lot Number: 23839-01

Lot Quantity: 49,800 pcs

Specification: Cadmium Plate per AMS-QQ-P-416C Type II, Class 2 (Black)

Mercury Free Clause: No possibility exists for mercury contamination to occur during processing or testing of parts on this contract.

Coating Thickness: .0003 inches

Embrittlement Relief

Baked: 24 Hours at 375 F Within 1 Hour of Plating.

Inspection Level to applicable standard:

S-3 of MIL-STD-105D:

4 %

ASTM B602 Table II:

1.50%

Aircraft Braking System:

1%

ACC. X

Certified By:

James Beringer Jr.
President

Date: 2/13/2014

CONTROLLED



CERTIFICATION OF PROCESS

CUSTOMER: AIRFASCO INDUSTRIES, INC
2655 HARRISON AVE SW
CANTON OH 44706

THIS IS TO CERTIFY THAT BRITE METAL INC. HAS PROCESSED THE FOLLOWING MATERIAL IN ACCORDANCE WITH THE MOST WIDELY ACCEPTED METALLURGICAL PROCEDURE.

PO #: 60701 **WEIGHT:** 184 **NO. BINS:** 1 **NO. PCS:** 49,800

PN#: AFC59F-1032 ASSEM **LOT#:** 23839 **MATERIAL#:** 1050

BM ORDER NO: 165357 **CORE HARD SPECS:** HRC 33-35

PROCESS TO: AMS2759

DATE RECEIVED: 1/21/14

DATE SHIPPED:

HEAT TREATING TEST RESULTS

NUMBER OF SAMPLES: 3

CORE HARDNESS: 34-35RC

SURFACE HARDNESS: 34-35RC@.003

CASE DEPTH: ---

CORE HARDNESS AS QUENCHED: ---

CONTROLLED

INSPECTOR: JC

DATE: 1/24/14

AIRFASCO Industries

2655 Harrison Avenue SW Canton, OH 44706

Nondestructive Testing Certification Wet Fluorescent Magnetic Particle Inspection Technique

Part Data

Part Number	Lot Number	Dimensions	Part Description
MS21059L3	23839	.190-32 UNJF-3B	NUT, SELF-LOCKING, PLATE, TWO LUG, FLOATING, LOW HEIGHT STEEL, 125 KSI Ftu, 450°F

Reference Data

Specification	Procedure Number	Acceptance Criteria
ASTM E1444-05	MT-1	No Cracks, NASM25027

Inspection Equipment Data

Model Number	Manufacturer	Serial Number
H-800 Retro	Magnaflux Corporation	91R00150

Inspection Material Data

Particles	Mfr	Batch No.	Carrier	Mfr	Batch No.
14A	Magnaflux	10G078	MG II	Magnaflux	11K065

Technique Data

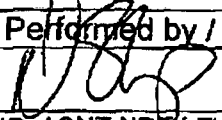
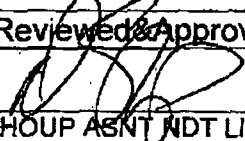
Type Current	Circular Field		Longitudinal Field	
	Headshot Amps	Central Conductor Amps	Coil shot Amps	Coil Turns
FWDC	N/A	250	N/A	5

Particle application by the flow method, continuous technique
Demagnetization performed by the AC Coil method, Residual field +/- 3

Inspection Results

Lot Size	Inspection Sample Size	Quantity accepted	Quantity rejected
49800	32	32	0

Notes: Circular mag only per NASM25027

Performed by / Level	Reviewed & Approved by:	Date
 D. SHOUP ASNT NDV LEVEL III	 D. SHOUP ASNT NDT LIII #176608	3/14/14

CONTROLLED

EVER UBE[®] PRODUCTS

TEST REPORT

DATE: 2/05/2014
PRODUCT: Everlube[®] 620C
SPECIFICATION: SAE AS5272E, Type I
BATCH NUMBER: PC-14506
DATE OF MANUFACTURE: 2/05/2014
MANUFACTURING SITE: Peachtree City, GA
CUSTOMER P.O. #: 60822

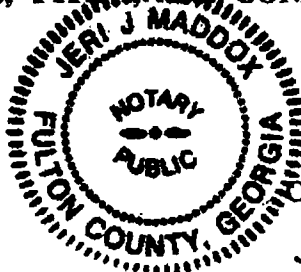
DATE OF
MAR 13 2015
EXPIRATION

TEST RESULTS

PARAGRAPH	TEST	REQUIREMENTS	RESULTS
3.3	Film Appearance	Pass	Pass
3.3	Film Thickness	All Specimens 0.0003" - 0.0005" with no single readings less than 0.0002" or greater than 0.0007".	All Specimens 0.0003" - 0.0005"
3.4.1	Film Adhesion (ASTM D-2510, Procedure A)	Pass	Pass
3.4.4	Endurance Life (ASTM D-2625, Procedure A)	Per Spec 250 Min. Avg. None < 210 Min.	Test # 1 = 290 Min. Test # 2 = 255 Min. Test # 3 = 275 Min. <u>Test # 4 = 270 Min.</u> Test Average = 273 Min.
3.4.5	Load Carrying Capacity (ASTM D-2625, Procedure B)	2500 Lbf. Avg. None < 2250 Lbf.	Test # 1 = 2750 Lbf. <u>Test # 2 = 2750 Lbf.</u> Test Average = 2750 Lbf.
3.4.7	Sulfurous Acid-Salt Spray	Pass 4 Cycles	Pass
3.4.9	Solids Content	40% Minimum	40.1 %

CERTIFICATE OF CONFORMANCE

EVERLUBE PRODUCTS HEREBY CERTIFIES THAT THIS PRODUCT CONTAINS NO GRAPHITE OR POWDERED METALS AND HAS BEEN EVALUATED AGAINST THE QUALITY CONFORMANCE REQUIREMENTS OF SAE AS5272, TYPE I, AND CONFORMS TO THE REQUIREMENTS OF THAT SPECIFICATION.



Sworn to and subscribed before me
This 5 day of February 2014

Jeri J. Maddox
Notary Public
C.M.M. exp. 11-4-2016

CERTIFIED BY:

Tim Murphy
Tim Murphy
Quality Assurance Technician
Carl H. Van Acker
Quality Assurance Manager

CONTROLLED

15May08 6:38

TEST CERTIFICATE

No: CLE 213908

Sold By:

THREE D METALS, INC.

5462 INNOVATION DRIVE

VALLEY CITY, OHIO 44280

Tel: 330 220 0451 Fax: 330 220 0471

P/O No W26030-02

Rel

S/O No CLE 10429-001

B/L No CLE 119616-003

Inv No

Shp 15May08

Inv

CERTIFICATE of ANALYSIS and TESTS

Cert. No: CLE 213908

15May08

Part No 1902504064

C1050 C.R. SPRING STEEL ANNEALED

.0250 Nom X 4.0600"

Pcs 4 Wgt 3.705

Heat Number 280353

Tap No 534597

Pcs 4 Wgt 3.705

HRB=<68>/DECAR=<.00">/ELONG=<28.5%>/TSps1=<73,000psi>
YSps1=<57,000psi>/N=<.22>/REF=<5085F>

Heat Number 280353

*** Chemical Analysis ***

ORIGIN=<US> C=<.52> Mn=<.730> P=<.015> S=<.004> Si=<.249>
Cu=<.118> Ni=<.055> Cr=<.163> Mo=<.017> Al=<.035> N=<.009>
V=<.002> Nb=<.001> Ti=<.003> Sb=<.004> ASTM=<A682> *ASTM=<A684>
SAE=<J403>

THIS IS TO CERTIFY THAT THE CHEMICAL ANALYSIS
AND/OR PHYSICAL TEST RESULTS EXHIBITED HEREIN ARE
CORRECT, AS CONTAINED WITHIN THE RECORDS
OF THE COMPANY.

QUALITY MANAGER

John Bakuhn, Jr.

John Bakuhn, Jr.

CONTROLLED

GENIE FASTENER MFG. CO.

35 CARLOUGH RD. UNIT 1 / BOHEMIA NY 11716

Phone: 631.737.4022 / Fax: 631.737.4028

QUALITY MANUFACTURED FASTENERS

01/28/14

EAST COAST AVIATION SUPPLIES
399 EAST DRIVE
MELBOURNE, FL 32904

WE HEREBY CERTIFY THAT THE BELOW ITEMS WERE MANUFACTURED AND
INSPECTED IN ACCORDANCE WITH REQUIRED SPECIFICATIONS.

PART NUMBER	PURCHASE ORDER	DESCRIPTION
MS35207-268	67948	10-32 x 1.250 Pan Head Machine Screw.
NASM35207-268		1022 Steel Per AIR4127.
Rev. 2		Cad Plated per QQ-P-416 /Type II, Class 3.

QUANTITY	LOT NUMBER
54,440 Pcs.	13-313

HEAT NUMBER: 10269440 / WIRE TECH, INC.

CHEMICAL ANALYSIS: COPY OF ORIGINAL WIRE CERTIFICATION ATTACHED

TENSILE RESULTS: 1580
(1,200 Lbs. min) 1600
1600
1620
1600

WIRE IS DFARS 252.225-7014 ALT 1 COMPLIANT

VERY TRULY YOURS,
GENIE FASTENER MFG. CO.


Mary Richardson
Quality Assurance